

**OLIGOMERIC AND POLYMERIC OLED MATERIALS PRODUCED VIA
ARYLATION OF QUINONES**

ABSTRACT OF THE DISCLOSURE

5 OLED materials are provided that have the general formula:



wherein the subscript n is an integer of from 5 to 15; the superscript i is an integer of from 1
to n and denotes the position downstream from R^1 ; each Ar^i is a substituted or unsubstituted
aryl group; R^1 and R^2 are each substituents that increase the solubility of the para-phenylene
10 compound in nonpolar organic solvents relative to the solubility of the corresponding
compound wherein R^1 and R^2 are hydrogen; with the proviso that the Ar^i groups are linked
together in a 1,4-paraphenylene manner.

15 SF 1210897 v1